Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/08/2019 12:21 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123662	-2	2.18	123664	2.28
Blue	F	SSC	125000	123155	-2	3.75	123900	3.85
Blue	E	FITC	16694	16630	-1	3.74	387	21.90
Blue	D	PE	32792	32233	-2	3.00	710	16.24
Blue	B	PerCP-Cy5-5	44451	44086	-1	4.67	1208	23.60
Blue	A	PE-Cy7	33645	33663	0	7.30	612	48.00
Red	C	APC	47008	46268	-2	3.05	1788	13.81
Red	A	APC-Cy7	32298	31893	-2	3.03	802	14.27
Violet	B	V450	8961	8674	-4	4.58	513	15.12
Violet	A	V500	32726	31653	-4	4.33	770	11.36

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20602	5.16	608	-5	N/A	N/A	Pass
Blue	F	SSC	55719	3.36	581	13	N/A	N/A	Pass
Blue	E	FITC	63	72.41	569	6	0.0153	119	Pass
Blue	D	PE	140	55.60	572	6	0.1256	243	Pass
Blue	B	PerCP-Cy5-5	220	58.32	677	6	0.0070	63	Pass
Blue	A	PE-Cy7	121	121.47	733	7	0.0091	35	Pass
Red	C	APC	406	29.30	617	4	0.0177	94	Pass
Red	A	APC-Cy7	198	32.15	589	4	0.0045	1100	Pass
Violet	B	V450	94	57.56	479	-7	0.0334	1983	Pass
Violet	A	V500	113	37.79	489	-7	0.0191	999	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.38	-32.76	1.11
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	15.59	13.60 - 20.40	N/A	N/A	29.67	30.34	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 14573

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments